

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 Claim 1 (previously presented): A method of controlling a call forwarding service
2 comprising:
3 operating a peripheral device coupled to a telephone switch to receive
4 a call from a caller using a first telephone;
5 determining using automatic number identification information a first
6 telephone number corresponding to the first telephone;
7 detecting receipt of a first signal from the first telephone;
8 determining from the first telephone number and stored information if
9 the first telephone corresponds to a telephone for which call forwarding service is
10 supported;
11 if said first signal is a control signal used to activate call forwarding
12 and it is determined that call forwarding service is supported for the first telephone,
13 determining if a previously stored call forwarding telephone number is available in a
14 call processing record stored in a service control point coupled to said peripheral
15 device by said telephone switch, said call processing record being associated with
16 said first telephone number; and
17 if it is determined that a previously stored telephone number is
18 available, i) updating said call processing record associated with said first telephone
19 to indicate that call forwarding is active; and
20 ii) enabling the forwarding of calls directed to the first telephone to a second
21 telephone using said previously stored call forwarding telephone number.

1 Claim 2 (previously presented): The method of claim 1, further comprising:
2 if it is determined that call forwarding is not supported for the first telephone,
3 prompting the caller for a telephone number corresponding to a service to be updated.

1 Claim 3 (previously presented): The method of claim 2, further comprising:

2 examining the first signal to determine if said first signal is a control signal
3 used to activate call forwarding or to disable call forwarding.

1 Claim 4 (previously presented): The method of claim 3, wherein the step of enabling
2 the forwarding of calls directed to the first telephone further includes:
3 operating the service control point to send an update message to a
4 telephone switch to which the first telephone is coupled to set a terminating attempt
5 trigger on a telephone line corresponding to the first telephone.

1 Claim 5 (previously presented): The method of claim 4, further comprising, when
2 said first signal is determined to be a control signal used to disable call forwarding:
3 operating the service control point to send an update message to the
4 telephone switch to which the first telephone is coupled to deactivate a terminating
5 attempt trigger on the telephone line corresponding to the first telephone.

1 Claim 6 (previously presented): The method of claim 5, further comprising:
2 updating the call processing record corresponding to the first telephone to
3 indicate that call forwarding is not active.

1 Claim 7 (canceled)

1 Claim 8 (previously presented): The method of claim 6, wherein disabling the
2 forwarding of calls further includes:
3 operating the service control point to send an update message to a
4 telephone switch to which the first telephone is coupled to deactivate a terminating
5 attempt trigger previously set on the telephone line corresponding to the first
6 telephone.

1 Claim 9 (canceled)

1 Claim 10 (previously presented): A method of controlling a call forwarding service
2 comprising:
3 operating a peripheral device coupled to a telephone switch to receive
4 a call from a caller using a first telephone;
5 detecting receipt of a first signal from the first telephone;
6 determining using automatic number identification information a first
7 telephone number corresponding to the first telephone;
8 accessing, using the first telephone number, service information
9 maintained in a service control point coupled to said peripheral device by said
10 telephone switch;
11 determining from the accessed information if the first telephone
12 corresponds to a telephone for which call forwarding service is being provided; and
13 if it is determined that call forwarding service is provided for the first
14 telephone, disabling call forwarding service in response to the first signal when said
15 first signal is a control signal used to disable call forwarding.

1 Claim 11 (previously presented): The method of claim 10, wherein the disabling call
2 forwarding service step includes:
3 operating said service control point to transmit a message instructing a
4 telephone switch to disable a terminating attempt trigger set on a telephone line to
5 which the first telephone is coupled.

1 Claim 12 (previously presented): The method of claim 10, wherein the step of
2 disabling call forwarding service includes:
3 updating a call processing record including said service information to
4 indicate that call forwarding service is not active.

1 Claim 13 (previously presented): The method of claim 12, further comprising the
2 step of operating the service control point to transmit a message to disable a

3 terminating attempt trigger set on a telephone line to which the first telephone is
4 coupled.

1 Claim 14 (original): The method of claim 10, further comprising the step of disabling
2 a terminating attempt trigger set on a telephone line to which the first telephone is
3 coupled.

1 Claims 15-19 (canceled):

1 Claim 20 (previously presented): A communication system, comprising:
2 a telephone;
3 a telephone switch coupled to said telephone;
4 a peripheral device coupled to said telephone switch;
5 a service control point coupled to said telephone switch and to said
6 peripheral device by way of said telephone switch;
7 said peripheral device including means for receiving a first telephone
8 call routed to said peripheral device by said telephone switch and for receiving from
9 the telephone a first control signal;
10 said peripheral device further including means for communicating telephone
11 number and control signal information to said service control point by way of said
12 telephone switch;
13 said service control point including:
14 i) means for accessing a call processing record corresponding to the
15 first telephone as a function of information communicated from said peripheral
16 device;
17 ii) means for determining if the accessed call processing record
18 includes a telephone number to be used when forwarding calls directed to said
19 telephone; and

20 iii) means for activating a call forwarding service; said call forwarding
21 service forwarding calls directed to said first telephone as a function of said telephone
22 number when it is determined that the accessed call processing record includes said
23 telephone number and said control signal is a call forwarding activation signal.

1 Claim 21 (previously presented): A call forwarding control method, the method
2 comprising:
3 operating a peripheral device coupled to a telephone switch to receive a call
4 from a first telephone;
5 operating the peripheral device to receive a signal from the first telephone;
6 determining if the signal is a call forwarding control signal; and
7 if the received signal is determined to be a call forwarding control signal,
8 i) using automatic number identification information to access
9 a call processing record corresponding to said first telephone, said call
10 processing record being stored in a service control point coupled to
11 said peripheral device by said telephone switch; and
12 ii) modifying the content of said call processing record in
13 accordance with the received call forwarding control signal; and
14 if the received signal is determined not to be a call forwarding control signal,
15 determining if the received signal is a telephone number of a subscriber for which a
16 service is provided using said service control point.

1 22. (previously presented): The method of claim 21,
2 wherein said call is placed from a telephone having a different telephone
3 number than a telephone number included in said received signal;
4 wherein said call processing record includes a stored call forwarding number;
5 and

6 wherein said modifying the content of said call processing record includes
7 performing changing the status of a call forwarding indicator stored in said call
8 processing record.